

Notice of Allowability

Application No.

10/717,639

Applicant(s)

YAMAZAKI ET AL.

Examiner

Nguyen T Ha

Art Unit

2831

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 11/21/2003.
2. ☒ The allowed claim(s) is/are 1-10.
3. ☒ The drawings filed on 21 November 2003 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

DETAILED ACTION

Allowable Subject Matter

1. Claims 1-10 are allowed.

The following is an examiner's statement of reasons for allowance:

With respect to claims 1, 5 and 7-10, the prior art alone or in combination does not teach the limitation of a roll of laminate for capacitor layer of printed wiring board for withstand voltage inspection comprising a laminate web for capacitor layer to be spliced to the core tube and wound up thereby is fabricated by laminating a metal foil web which forms the first electrically conductive layer and second electrically conductive layer having a prescribed size, a dielectric layer having a size which is longer by not less than 4 mm in full length than the size of metal foil webs of the first and second electrically conductive layer, the dielectric layer positioned between first and second electrically conductive layers by not less than 2 mm from the start end side and terminal end side of the first and second electrically conductive layers.

With respect to claim 2, the prior art alone or in combination does not teach the limitation of a roll of laminate for capacitor layer of printed wiring board for withstand voltage inspection comprising a laminate web for capacitor layer to be spliced to the core tube and wound up thereby is fabricated by laminating a metal foil web which forms the first electrically conductive layer and second electrically conductive layer having a prescribed size, a dielectric layer having a size which is longer by not less than 4 mm in full length and width than the size of the metal foil webs of the first and second

electrically conductive layer, wherein the dielectric layer protrude by not less than 2 mm from peripheral ends of the first and second electrically conductive layers.

With respect to claim 3, the prior art alone or in combination does not teach the limitation of a roll of laminate for capacitor layer of printed wiring board for withstand voltage inspection comprising a laminate web for capacitor layer to be spliced to the core tube and wound up thereby is fabricated by laminating a metal foil web which forms the first electrically conductive layer and second electrically conductive layer having a prescribed size, a dielectric layer having a size which is longer by not less than 4 mm in full length and large by not less than 2 mm in width than the size of the metal foil webs of the first and second electrically conductive layer, wherein the dielectric layer protrudes by not less than 2 mm from a start end side and terminal end side of the second electrically conductive layer.

With respect to claim 4, the prior art alone or in combination does not teach the limitation of a roll of laminate for capacitor layer of printed wiring board for withstand voltage inspection comprising a laminate web for capacitor layer to be spliced to the core tube and wound up thereby is fabricated by laminating a metal foil web which forms the first electrically conductive layer and second electrically conductive layer having a prescribed size, a dielectric layer having a size which is longer by not less than 4 mm in length than the size of the metal foil webs of the first and second electrically conductive layer, wherein the first and second electrically conductive layers being disposed via the dielectric layer so that a displacement of not less than 2 mm in produced on the start end side and terminal end side in the longitudinal direction.

With respect to claim 6, the prior art alone or in combination does not teach the limitation of a roll of laminate for capacitor layer of printed wiring board for withstand voltage inspection comprising a laminate web for capacitor layer to be spliced to the core tube and wound up thereby is fabricated by laminating a metal foil web which forms the first electrically conductive layer and second electrically conductive layer having a prescribed size, a dielectric layer having a same size as the metal foil webs of the second electrically conductive layer, an interlayer part between the dielectric layer and the second electrically conductive layer and a part in the interior of the dielectric layer being in an unbonded state and forming a slit, and an interposed state being produced by inserting part of a splice tape in this split part.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Citation Relevant of Prior Art

2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
 - a. Honda et al. disclose laminate and capacitor.
 - b. Takeuchi et al. disclose ion conductive laminate and production method and use thereof.
 - c. Grahame discloses modified round roll capacitor and method of making.
 - d. Naitoh et al. disclose roll type solid electrolyte capacitor.

- e. Lavene discloses outer wrapping for a metallized wound capacitor.


Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nguyen T Ha whose telephone number is 571-272-1974. The examiner can normally be reached on Monday-Friday from 8:30AM to 6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dean Reichard can be reached on 571-272-2800 ext. 31. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Nguyen T. Ha
April 16, 2004

 4/19/04
DEAN A. REICHARD
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800